

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application. Deletions are ~~struck through~~ and additions are underlined.

#### **Listing of Claims:**

1. (Currently amended) A composition comprising an oily byproduct of *Bixa orellana* seed containing a tocotrienol where the ratio of delta-tocotrienol to gamma-tocotrienol is selected from the group consisting of between 1:25 to 25:1, 1:25 to 8:1 and between 10:1 to 25:1.

2 - 24. (Canceled)

25. (Currently amended) The composition of Claim 1, further comprising at least one ingredient selected from the group consisting of ~~phytosterols, oryzanols, policosanols, pentathine, red yeast rice (*Monascus*), oat bran, garlic, gugal lipids, chitosan, soy protein (e.g., oligo- and poly-peptides, hydrolysates), CoQ10, carnitine, magnesium, calcium, D-tyroxine, fibers (insoluble and soluble types, including beta-glucans), omega-3s (DHAs and EPAs, alpha linoleic acid), lecithin, banaba extract (including corosolic acid), lipoic acids (all isomeric forms), chromium (all compounded forms), and B vitamins (including niacin)~~ Vitamin B1 (Thiamine), Vitamin B2 (Riboflavin), Vitamin B5 (Pantothenic acid), Vitamin B6 (Pyridoxine and Pyridoxamine), Vitamin B7 (Biotin), Vitamin B9 (Folic acid), and Vitamin B12 (Cyanocobalamin).

26 - 36. (Canceled)

37. (Currently amended) The composition of Claim 1, where the ratio of delta-tocotrienol to gamma-tocotrienol is between 1:10 to ~~408~~:1.

38. (Previously presented) The composition of Claim 37, where the ratio of delta-tocotrienol to gamma-tocotrienol is 1:1.

39. (Currently amended) A composition comprising an oily byproduct extract of *Bixa orellana* seed and a 350 - 450 Dalton MW fraction of a natural extract, where the level of tocopherol is  $\leq 50\%$ .
40. (Previously presented) The composition of Claim 39 where the level of tocopherol is  $\leq 20\%$ .
41. (Previously presented) The composition of Claim 40 where the level of tocopherol is  $\leq 1\%$ .
42. (Currently amended) The composition of Claim 39 where the natural extract is selected from the group consisting of ~~a vegetable oil of~~ soy, corn, rice bran, palm, cranberry seed, and litchi seed.
43. (Previously presented) The composition of Claim 39 where the tocopherol comprises alpha-tocopherol.
44. (Previously presented) The composition of Claim 43 where alpha-tocopherol comprises  $\leq 50\%$  of the tocopherols in the composition.
45. (Previously presented) The composition of Claim 44 where alpha-tocopherol comprises  $\leq 25\%$  of the tocopherols in the composition.
46. (Previously presented) The composition of Claim 45 where alpha-tocopherol comprises  $\leq 1\%$  of the tocopherols in the composition.
47. (Currently amended) A composition of an oily byproduct extract of *Bixa orellana* seed and a 350 - 450 Dalton MW fraction of a natural extract, where delta-tocotrienol and gamma-tocotrienol comprise  $\geq 50\%$  of the tocotrienols in the composition.

48. (Currently amended) The composition of Claim 47 where delta-tocotrienol comprises  $\geq 50\%$  of the tocotrienols in the composition.

49. (Currently amended) A composition of an oily byproduct extract of *Bixa orellana* seed and a 350 - 450 Dalton MW fraction of a natural extract, where C5 unsubstituted tocotrienols are  $\geq 60\%$ , and tocopherols are  $\leq 15\%$ .

50. (Currently amended) The composition of Claim 49 where the C5 unsubstituted tocotrienols are  $\geq 80\%$  and  $\leq 5\%$  tocopherols.

51. (New) A composition comprising an oily byproduct extract of *Bixa orellana* seed and a 350 - 450 Dalton MW fraction of a natural extract, where the ratio of delta-tocotrienol to gamma-tocotrienol is between 1:25 to 25:1.

52. (New) The composition of Claim 51 where the ratio of delta-tocotrienol to gamma-tocotrienol is between 1:10 to 10:1.

53. (New) The composition of Claim 52 where the ratio of delta-tocotrienol to gamma-tocotrienol is 1:1.

54. (New) The composition of Claim 51 where the natural extract is selected from the group consisting of soy, corn, rice bran, palm, cranberry seed, and litchi seed.

55. (New) A composition comprising an oily byproduct extract of *Bixa orellana* seed and a 350 - 450 Dalton MW fraction of a natural extract.

56. (New) The composition of Claim 55 where the natural extract is selected from the group consisting of soy, corn, rice bran, palm, cranberry seed, and litchi seed.